

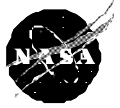
**OFFICE OF EQUAL OPPORTUNITY PROGRAMS
MINORITY UNIVERSITY RESEARCH AND EDUCATION DIVISION**



HBCU/OMU Participation

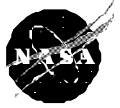
University-Class Explorers Pre-Proposal Conference February 4, 1998

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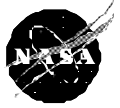
New Feature

- **The Office of Equal Opportunity Programs (OEOP) is cooperating with the Office of Space Science (OSS) to encourage Historically Black Colleges and Universities (HBCU) and Other Minority Universities (OMU) to participate in Explorer program missions.**
- **Briefing to Cover:**
 - **Motivation**
 - **Funding Incentives**
 - **Selection Incentives**



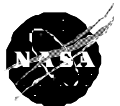
Motivation I

- **UNEX AO:**
 - The Office of Space Science is committed to the visible and meaningful participation of HBCU's and OMU's in space science research.
- **OSS Education Implementation Plan:**
 - According to projections by the Bureau of the Census:
 - By 2030, the total elementary school age population of the United States will be equally divided between non-Hispanic whites and all other racial/ethnic groups. . . .
 - By 2050, non-Hispanic whites will decline to 53 percent of the total United States population (all ages).
 - *Meeting the future needs of a society based on science and technology will require the involvement of individuals from groups who, at the current time, are not as effectively utilized as they should be in science and technology.*



Motivation II

- **NASA Minority University Research and Education Programs Vision:**
 - Achieve full participation of Minority Institutions (MI's) in the NASA-sponsored research and education community. . .
- **White House Executive Orders:**
 - EO 12876: Historically Black Colleges and Universities
 - EO 12900: Education for Hispanic Americans
 - EO 12928: Procurement with SDB's, HBCU's, and MI's
 - EO 13021: Tribal Colleges and Universities



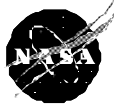
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HBCU/OMU Definitions

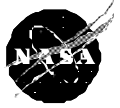
- **Historically Black Colleges and Universities (HBCU's)**
 - Designated by the Department of Education as a Historically Black College and University under Title III of the Higher Education Act of 1965, as amended [see 34 CFR 608.2]
- **Other Minority Institutions (OMU's)**
 - **Hispanic-Serving Institutions (HSI's)**
 - Designated by the Department of Education as a Hispanic-Serving Institution (HSI) under Title III of the Higher Education Act of 1965, as amended [See 20 USC 1059 (c)]; Public Law 102-325, Section 316, July 22, 1992]
 - **Tribal Colleges and Universities (TCU's)**
 - Cited in section 532 of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note), any other institution that qualifies for funding under the Tribally Controlled Community College Assistance Act of 1978, (25 U.S.C. 1801 et seq.), or Navajo Community College, authorized in the Navajo Community College Assistance Act of 1978, Public Law 95-471, title II (25 U.S.C. 640a note)
 - **Others**
 - Accredited minority college or university with enrollment of a single underrepresented minority group or the combination of underrepresented minority groups that exceeds 50 percent of the total student enrollment as defined in the Higher Education Act, as amended [See 20 USC 1135d-5 and 34 CFR 637.4 (b)]

**Classification as an HBCU/OMU is determined by
Department of Education certification**



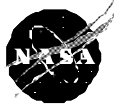
References to HBCU's/OMU's

- **NASA Minority University Research & Education Division homepage at**
<http://mured.gsfc.nasa.gov>
 - **Lists (unofficial) of**
 - **Historically Black Colleges and Universities**
 - **Hispanic-Serving Institutions**
 - **Tribal Colleges and Universities**
 - **NASA/MURED-sponsored research projects lists**
 - **University Research Centers**
 - **Institutional Research Awards**
 - **Faculty Awards for Research**
 - **and project summaries in annual Research & Technology Report**



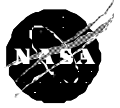
Nature of HBCU/OMU Participation

- **HBCU's/OMU's are encouraged to participate as Principal or Co-Investigators, who provide any aspect of**
 - hardware or software development
 - analysis, design, integration and test of the instruments
 - spacecraft ground support equipment, ground data system, and mission operations and data analysis.
- **Special considerations apply only to University-class Explorer investigations (not to Missions of Opportunity)**



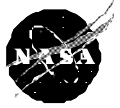
Capital Investment Funding

- **Up to \$500K per selected project may be provided**
- **To further enhance the infrastructure of HBCU's/OMU's participating in a University-class Explorer investigation selected through this AO**
- **May include**
 - human resources
 - facilities
 - equipment
- **must provide infrastructure that is:**
 - germane to the proposed University-class Explorer mission
 - of long-term benefit to the HBCU/OMU



Evaluation and Selection

- **Scientific and technical merit**
 - Will be evaluated including HBCU's/OMU's as full members of the proposing team
 - Team capabilities will be evaluated including anticipated enhancements from capital investment funding
(provided that the HBCU/OMU subpanel recommends funding the proposed capital investment).



Evaluation and Selection

- **HBCU/OMU Participation**
 - Overall score for mission selection includes evaluation of extent to which HBCU/OMU participation is
 - integral to the mission
 - based on the capability and relevant expertise of the HBCU's and/or OMU's involved.
 - Decision on Capital Investment Funding is based on evaluation of extent to which it
 - is genuinely capital investments (as opposed to ordinary mission expenses)
 - provides infrastructure germane to the proposed University-class Explorer mission
 - is of long-term benefit to the HBCU/OMU.